

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TEMPORARY TRAFFIC CONTROL SIGNALS AT THE INTERSECTIONS MD 22 AND GILBERT ROAD AND MD 22 AND I-95 SOUTHBOUND TEMPORARY OFF-RAMP IN HARFORD COUNTY. MD 22 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

1. MD 22 AND GILBERT ROAD

1. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A FLASHING MODE WITH THE INDICATIONS FOR MD 22 APPROACHES FLASHING YELLOW AND THE INDICATIONS FOR GILBERT ROAD FLASHING RED.

2. EVENT OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 22 APPROACHES OPERATING CONCURRENTLY AND THE GILBERT ROAD APPROACHES OPERATING ALONE.

EXCLUSIVE/PERMISSIVE LEFT-TURN PHASING WILL BE PROVIDED FOR EASTBOUND MD 22 APPROACH.

2. MD 22 AND I-95 SOUTHBOUND OFF-RAMP

THE INTERSECTION WILL OPERATE IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH THE MD 22 APPROACHES OPERATING CONCURRENTLY AND THE I-95 SOUTHBOUND TEMPORARY OFF-RAMP APPROACH OPERATING ALONE.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED AT EACH INTERSECTION.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9089	14 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF :
		- 1 EACH R3-1 SIGN (30 IN. x 30 IN.) - SPAN MOUNT
		- 1 EACH R3-2 SIGN (30 IN. x 30 IN.) - SPAN MOUNT

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-30

STANDARD NO. MD-104.33-01 (SHOULDER WORK)

STANDARD NO. MD-104.35 (LANE SHIFT)

STANDARD NO. MD-104.32-01 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-3514

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-3468

MR. SUNNETTE POPE
DISTRICT UTILITIES ENGINEER
PHONE: (410) 321-3456

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

EQUIPMENT LIST "B"

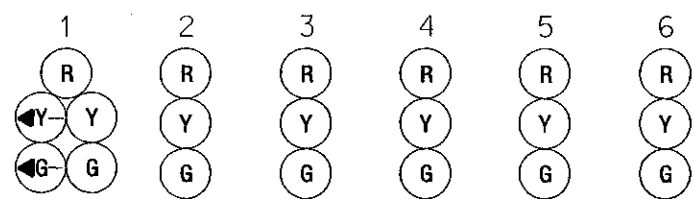
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2002	2 C.Y.	TEST PIT EXCAVATION
5005	140 L.F.	24 INCH WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING
8001	4 EACH	250 FT. VIDEO CABLE TO CONTROLLER
8003	2 EACH	500 FT. VIDEO CABLE TO CONTROLLER
8011	38 EACH	FURNISH AND INSTALL 12 IN. VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8048	1 EACH	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT AS PER ASSIGNMENT
8075	14 S.F.	INSTALL OVERHEAD SIGN
8084	180 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
8085	1000 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 A.W.G.)
8089	150 L.F.	FURNISH AND INSTALL STEEL SPAN WIRE - 1/4 IN. DIAMETER
8090	420 L.F.	FURNISH AND INSTALL STEEL SPAN WIRE - 3/8 IN. DIAMETER
8121	3 EACH	FURNISH AND INSTALL CLASS II WOOD POLE WITH BACK GUYS
NEG.	14 S.F.	PICKUP AND INSTALL FIBEROPTIC BLANKOUT SIGN
NEG.	6 EACH	RELOCATE VIDEO DETECTION CAMERA

PHASE CHARTS

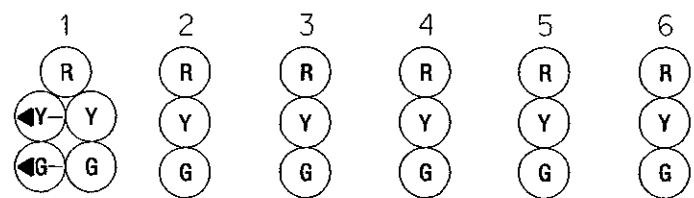
MD 22 AND GILBERT DRIVE

NORMAL OPERATION



FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

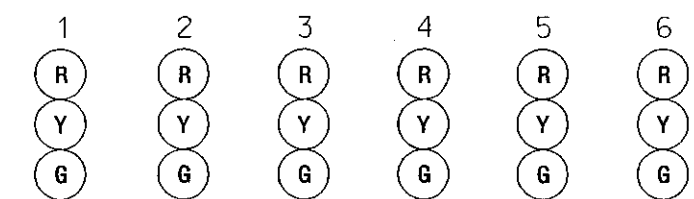
EVENT OPERATION



PHASE 1 + 6	G	G	R	R	R	R
1 + 6 CHANGE	G	G	R	R	R	R
PHASE 2 + 6	G	G	G	G	R	R
2 + 6 CHANGE	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	G	G
4 CHANGE	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

MD 22 AND I-95 SOUTHBOUND

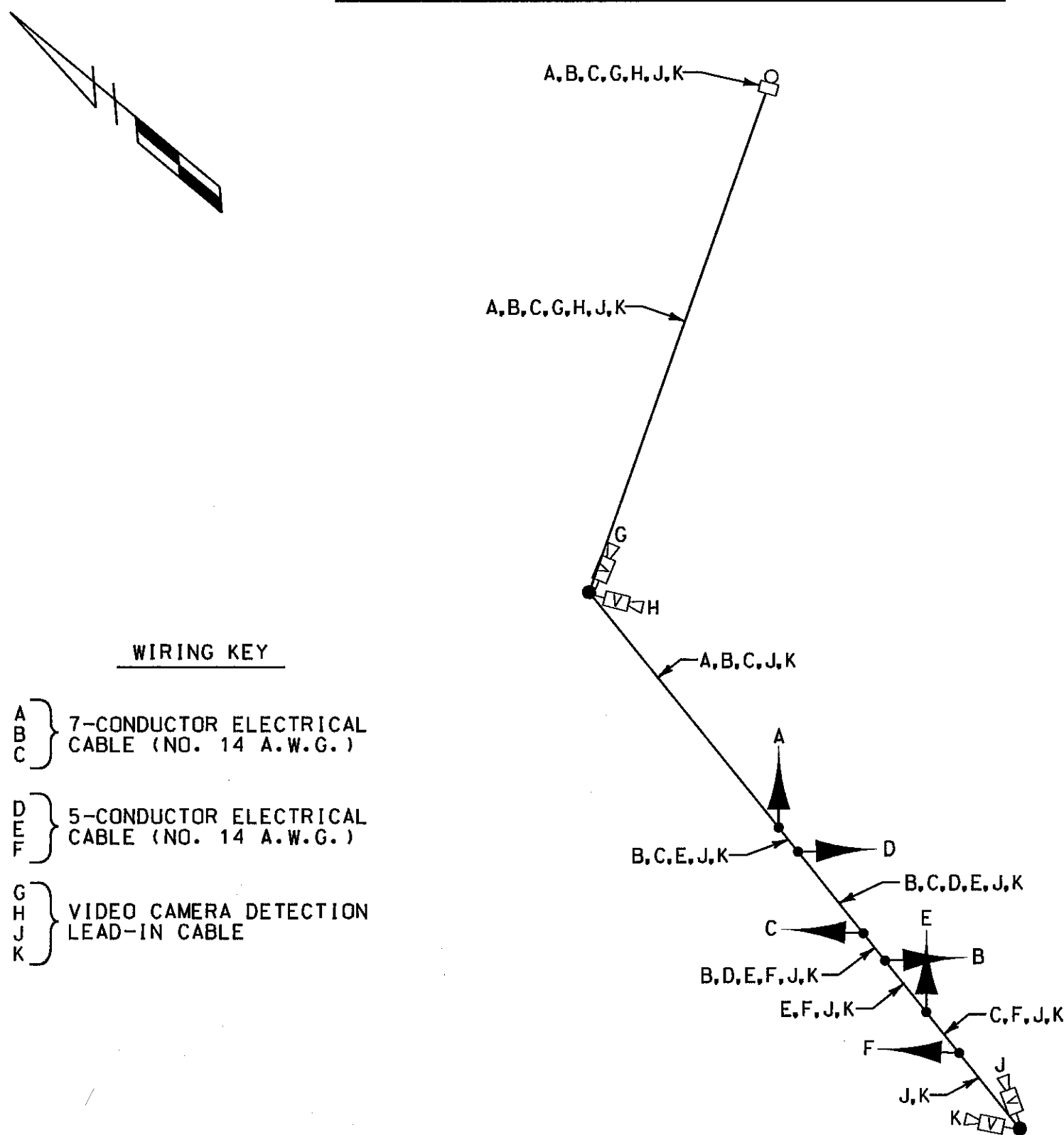
NORMAL OPERATION



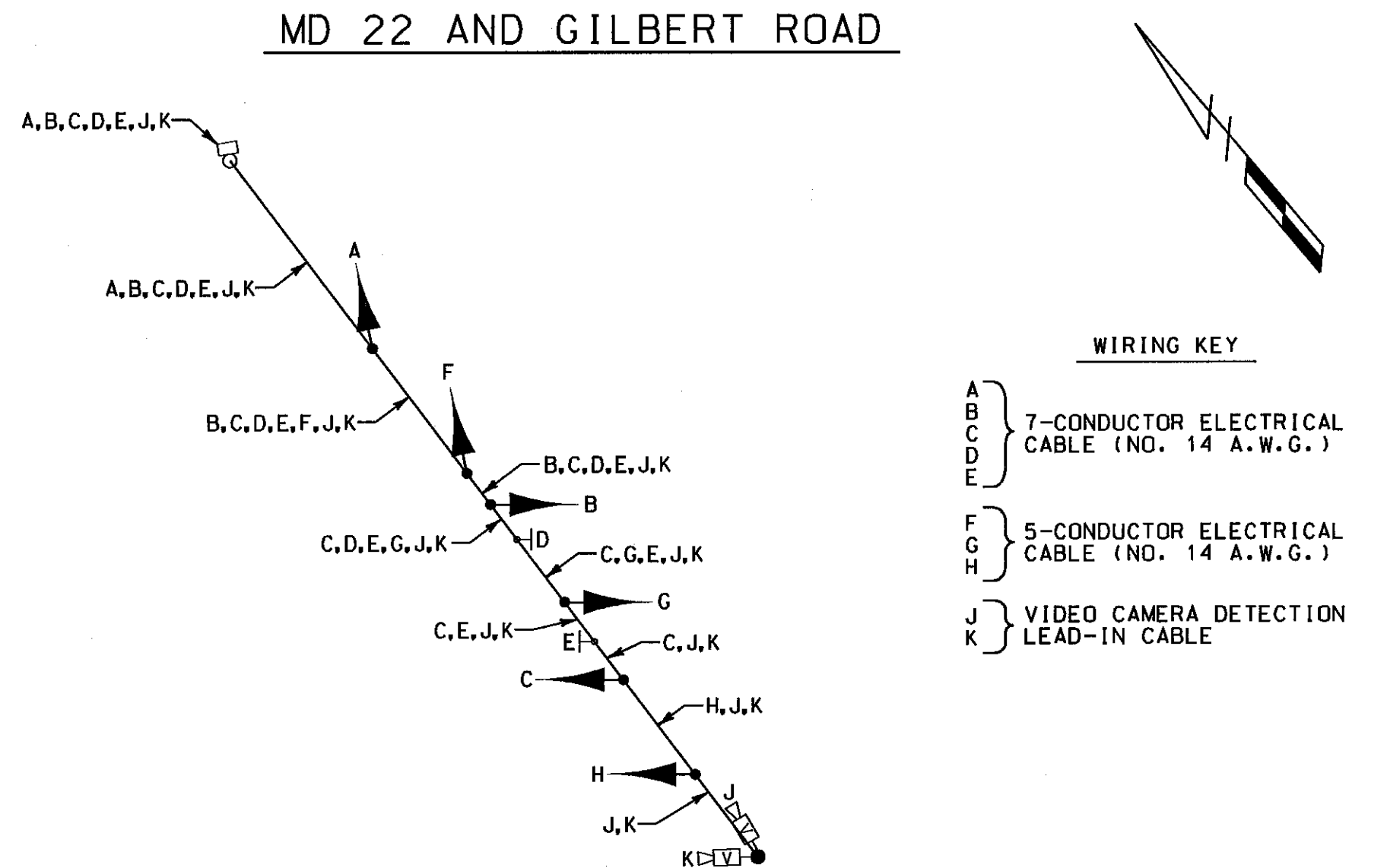
PHASE 2 + 6	G	G	G	G	R	R
2 + 6 CHANGE	Y	Y	Y	Y	R	R
PHASE 4	R	R	R	R	G	G
4 CHANGE	R	R	R	R	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R

WIRING DIAGRAMS

MD 22 AND I-95 SOUTHBOUND



MD 22 AND GILBERT ROAD



WIRING KEY

- A, B, C, D, E } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- F, G, H } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- J, K } VIDEO CAMERA DETECTION LEAD-IN CABLE



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
MD 22 INTERSECTIONS



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and Associates, LLP
801 South Caroline Street
Baltimore, Maryland 21231
(410) 235-3450

DRAWN BY: S. BLOSS
CHECKED BY: N. LEARY
SCALE: NONE
DATE: 5/14/2003

F.A.P. NO.
S.H.A. NO.
COUNTY: HARFORD
LOG. MILE:

TS NO.
T.I.M.S. NO.

SHEET NO.
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